



## Rabbit Anti-Hepcidin-25 antibody

SL10348R

**Product Name** Hepcidin-25**Chinese Name** 铁调节蛋白 25 抗体**Alias** Hamp; HEPC; HEPC\_HUMAN; Hpc20; Hpc25; HEPCIDIN; Hepcidin; Hepcidin 20; Hepcidin 25; Hepcidin antimicrobial peptide; Hepcidin-20; Hepcidin25; HFE2; HFE2B; LEAP 1; LEAP-1; LEAP1; Liver expressed antimicrobial peptide; Liver-expressed antimicrobial peptide 1; PLTR; Putative liver tumor regressor. 铁调素; 海帕西啉; 肝脏抗菌多肽; 抗菌肽; 铁调节蛋白;**Immunogen Species** Rabbit**Clonality** Polyclonal**React Species** Human,**Applications** IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.**Theoretical molecular weight** 2/3kDa**Cellular localization** Secretory protein**Form** Liquid**Concentration** 1mg/ml**immunogen** KLH conjugated synthetic peptide derived from human Hepcidin-25: 60-84/84**Lsotype** IgG**Purification** affinity purified by Protein A**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**PubMed** [PubMed](#)

The product encoded by this gene is involved in the maintenance of iron homeostasis, and it is necessary for the regulation of iron storage in macrophages, and for intestinal iron absorption. The preproprotein is post-translationally cleaved into mature peptides of 20, 22 and 25 amino acids, and these active peptides are rich in cysteines, which form intramolecular bonds that stabilize their beta-sheet structures. These peptides exhibit antimicrobial activity. Mutations in this gene cause hemochromatosis type 2B, also known as juvenile hemochromatosis, a disease caused by severe iron overload that results in cardiomyopathy, cirrhosis, and endocrine failure. [provided by RefSeq, Jul 2008].

**Function:**

Seems to act as a signaling molecule involved in the maintenance of iron homeostasis. Seems to be required in conjunction with HFE to regulate both intestinal iron absorption and iron storage in macrophages. Has strong antimicrobial activity against E.coli ML35P N.cinerea and weaker against S.epidermidis, S.aureus and group b streptococcus bacteria. Active against the fungus C.albicans. No activity against P.aeruginosa.

Involvement in disease;Defects in HAMP are the cause of hemochromatosis type 2B (HFE2B); also known as juvenile hemochromatosis (JH). HFE2B is a disorder of iron metabolism with excess deposition of iron in the tissues, bronze skin pigmentation, hepatic cirrhosis, arthropathy and diabetes. The most common symptoms of hemochromatosis type 2 at presentation are hypogonadism and cardiomyopathy.

**Product  
Detail**

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

Highest expression in liver and to a lesser extent in heart and brain. Low levels in lung, tonsils, salivary gland, trachea, prostate gland, adrenal gland and thyroid gland. Secreted into the urine.

**DISEASE:**

Defects in HAMP are the cause of hemochromatosis type 2B (HFE2B) [MIM:613313]; also known as juvenile hemochromatosis (JH). HFE2B is a disorder of iron metabolism with excess deposition of iron in the tissues, bronze skin pigmentation, hepatic cirrhosis, arthropathy and diabetes. The most common symptoms of hemochromatosis type 2 at presentation are hypogonadism and cardiomyopathy.

**Similarity:**

Belongs to the hepcidin family.

**SWISS:**

P81172

**Gene ID:**  
57817

**Database links:**

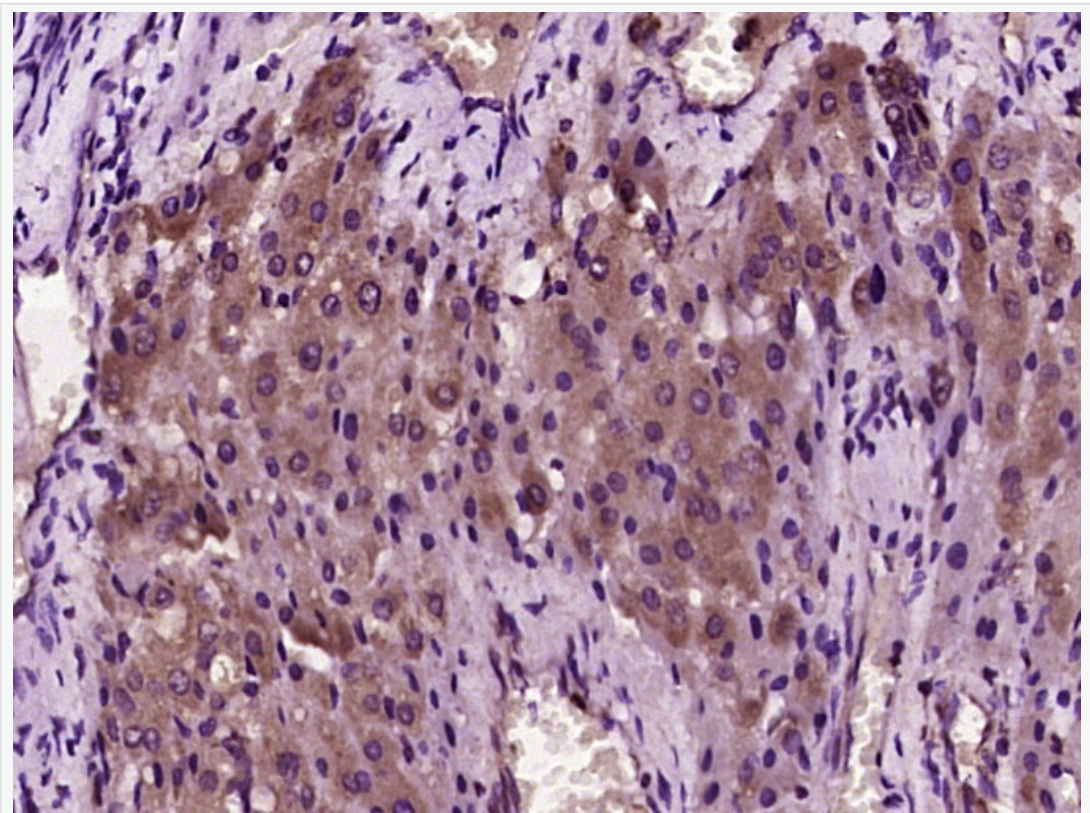
[Entrez Gene: 57817](#) Human

[Entrez Gene: 84506](#) Mouse

[Omim: 606464](#) Human

[SwissProt: P81172](#) Human

**Product  
Picture**



Paraformaldehyde-fixed, paraffin embedded (human liver tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Hepcidin-25) Polyclonal



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Antibody, Unconjugated (SL10348R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.